



PTO/SB/21 (02-04)

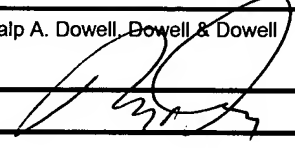
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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/729,971	
	Filing Date	12/9/2003	
	First Named Inventor	LIU, Yan-Fei	
	Art Unit	Not yet assigned	
	Examiner Name	Not yet assigned	
Total Number of Pages in This Submission	110	Attorney Docket Number	14545

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Technology Center (TC)
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<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Ralp A. Dowell, Dowell & Dowell
Signature	
Date	3/30/04

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I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : LIU et al.
Appl. No. : 10/729,971
Filed : December 9, 2003
Title : NON-ISOLATED DC-DC CONVERTERS WITH DIRECT
PRIMARY TO LOAD CURRENT

Grp./A.U. : 2838
Examiner :

Docket No. : 14545

Honorable Assistant Commissioner of Patents
Alexandria, VA 22313-1450

Sir:

PTO CUSTOMER NO. 000293

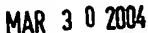
INFORMATION DISCLOSURE STATEMENT

In accordance with 37 C.F.R., §§ 1.97-1.99, applicant submits the following information which may be of interest to the examiner in charge of the above referenced application for patent. Copies of the references listed on the attached Form PTO/SB/08A, List of Prior Art Cited by Applicant, are attached.

Respectfully submitted,

Ralph A. Dowell
Registration No. 26,868

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Substitute for form 1449/PTO

(Use as many sheets as necessary)

Sheet	1	of	2
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Complete if Known

Application Number	10/729,971
Filing Date	9 December 2003
First Named Inventor	LIU, Yan-Fei
Art Unit	
Examiner Name	
Attorney Docket Number	14545

U. S. PATENT DOCUMENTS

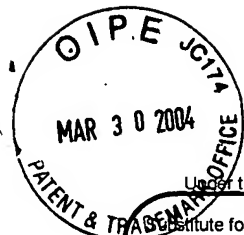
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Examiner Signature		Date Considered	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/729,971
		Filing Date	9 December 2003
		First Named Inventor	LIU, Yan-Fei
		Art Unit	
Examiner Name			
Sheet 2	of 2	Attorney Docket Number	14545

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		PENG XU, FRED C LEE, JIA WEI; The Coupled-Buck Converter for 12V VRM ...; VTIP Disclosure No.: 01-002; Virginia Tech Intellectual Properties, Inc.; Blacksburg, Virginia	
		ALBERT M. WU, SETH R. SANDERS; An Active Clamp Circuit for Voltage Regulation Module ...; IEEE Transactions On Power Electronics, Vol. 16 No. 5 September 2001 pp. 623-634	
		YURI PANOV, MILAN M. JOVANOVIC; Design Considerations for 12-V/1.5V, 50A Voltage Regulator ...; IEEE Transactions On Power Electronics, Vol. 16 No. 6 November 2001 pp. 776-783	
		INTEL; VRM 9.1 DC-DC Converter Design Guidelines; Intel Corporation; Order Number 298646-001; January 2002	
		INTEL; VRM 9.0 DC-DC Converter Design Guidelines; Intel Corporation; Order Number 249205-004; April 2002	
		R.L. STEIGERWALD, "High frequency resonant transistor DC-DC converters", IEEE Transactions on Industrial Electronics, Vol. 31, pp. 181-191, May 1984	
		F.S. TSAI, P. MATERU, and F.C. LEE, "Constant-frequency, clamped-mode resonant converters", IEEE Transactions on Power Electronics, Vol. 3, No. 4, pp. 460-473, Oct. 1988	
		Y.F. Liu, P.C. Sen, "Source reactance lossless switch ..", IEEE Transactions on Circuits and Systems - I, Fundamental Theory and Applications, Vol. 43, No.4, pp. 301-312, 4/96	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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